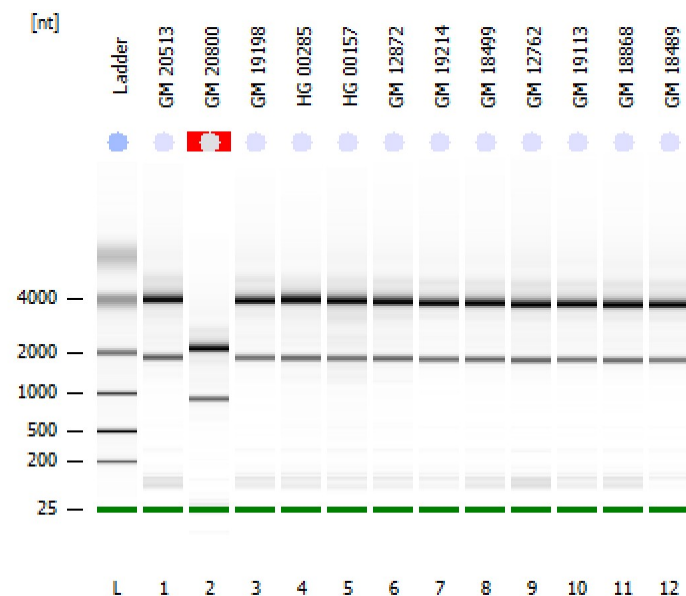


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-58-34.xad

Created: 10/24/2011 9:58:33 AM
Modified: 10/24/2011 10:21:40 AM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

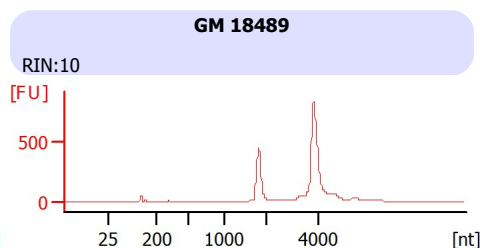
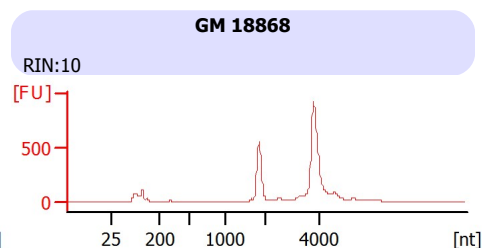
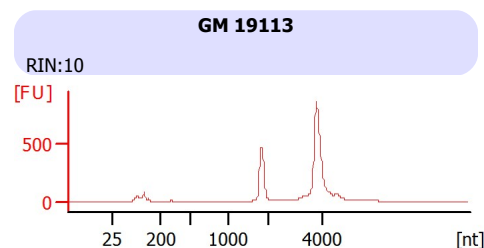
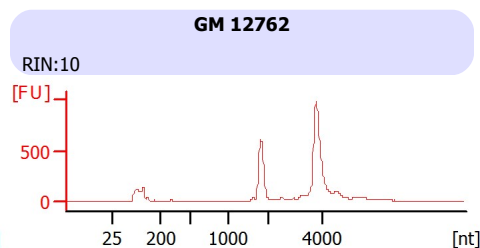
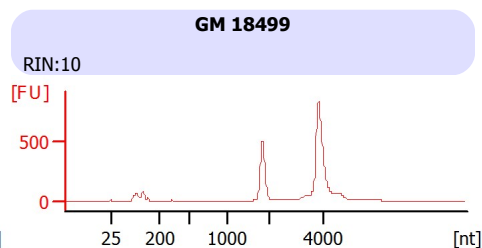
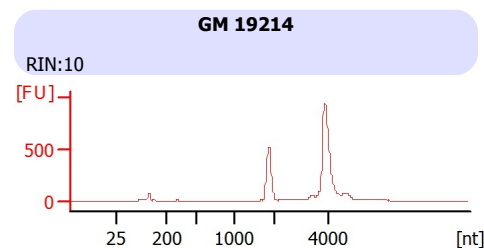
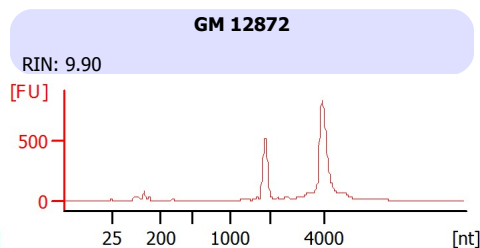
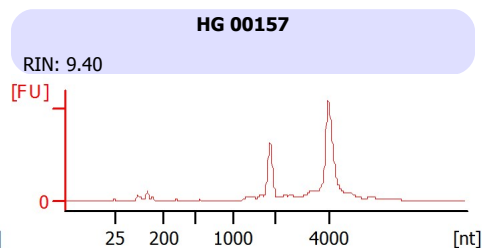
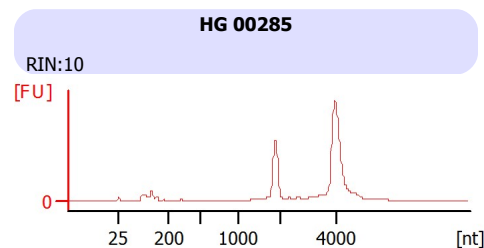
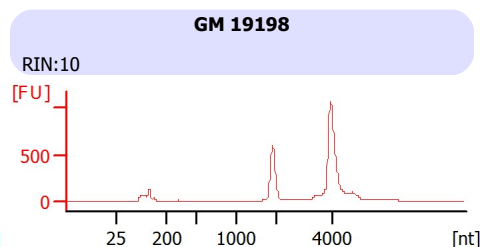
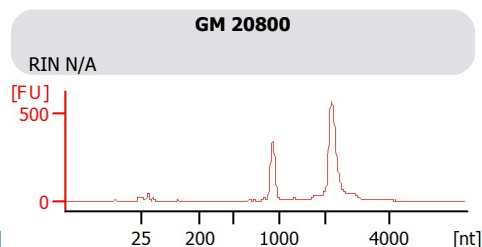
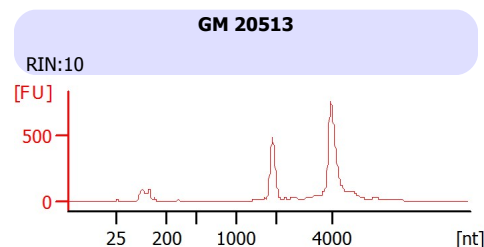
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-58-34.xad

Created: 10/24/2011 9:58:33 AM
Modified: 10/24/2011 10:21:40 AM

Electrophoresis File Run Summary (Chip Summary)

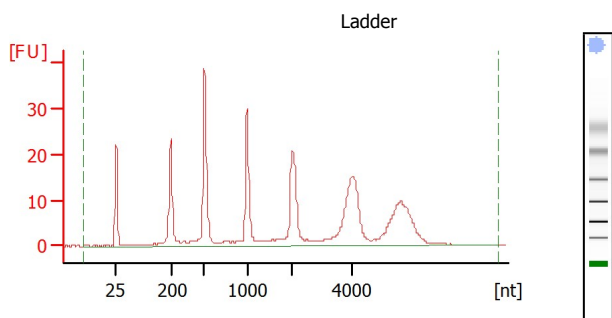
Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
GM 20513		✓ RIN:10	
GM 20800		✓ RIN N/A	
GM 19198		✓ RIN:10	
HG 00285		✓ RIN:10	
HG 00157		✓ RIN: 9.40	
GM 12872		✓ RIN: 9.90	
GM 19214		✓ RIN:10	
GM 18499		✓ RIN:10	
GM 12762		✓ RIN:10	
GM 19113		✓ RIN:10	
GM 18868		✓ RIN:10	
GM 18489		✓ RIN:10	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-58-34.xad

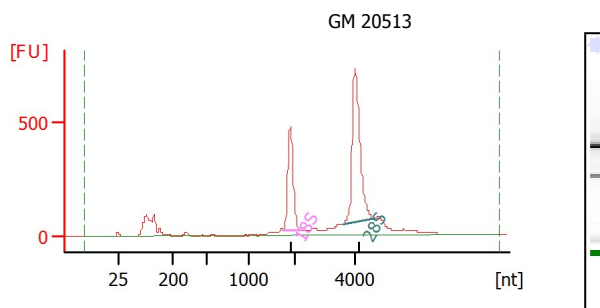
Created: 10/24/2011 9:58:33 AM
 Modified: 10/24/2011 10:21:40 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 316.7
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

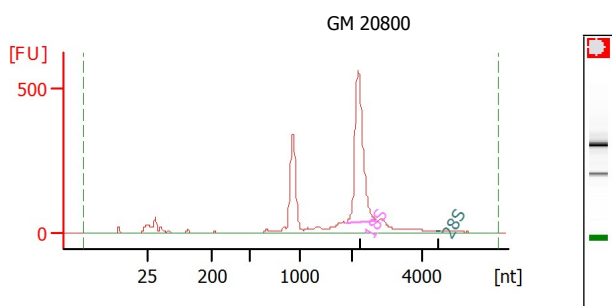


Overall Results for sample 1 : GM 20513

RNA Area: 4,205.2
 RNA Concentration: 1,992 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 1 : GM 20513

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,752	2,224	798.2	19.0
28S	3,565	4,630	1,420.9	33.8

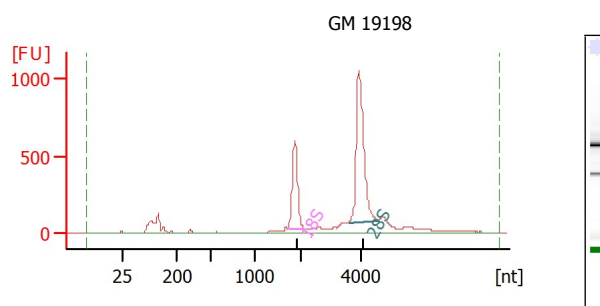


Overall Results for sample 2 : GM 20800

RNA Area: 2,650.7
 RNA Concentration: 1,255 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 2 : GM 20800

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,885	2,702	1,091.3	41.2
28S	4,390	4,486	0.2	0.0



Overall Results for sample 3 : GM 19198

RNA Area: 5,136.0
 RNA Concentration: 2,433 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

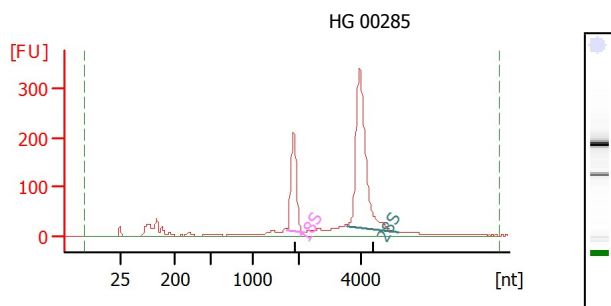
Fragment table for sample 3 : GM 19198

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,741	2,187	980.9	19.1
28S	3,583	4,568	1,935.4	37.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-58-34.xad

Created: 10/24/2011 9:58:33 AM
 Modified: 10/24/2011 10:21:40 AM

Electropherogram Summary Continued ...

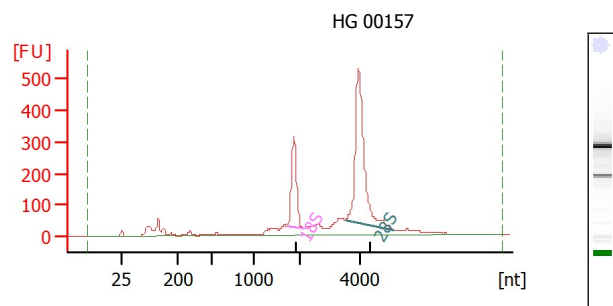


Overall Results for sample 4 : HG 00285

RNA Area: 1,854.3
 RNA Concentration: 878 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 4 : HG 00285

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,741	2,160	339.2	18.3
28S	3,569	5,266	818.5	44.1

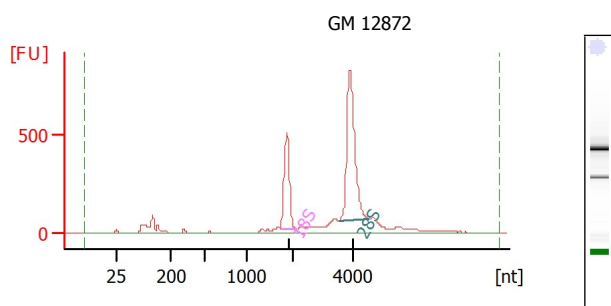


Overall Results for sample 5 : HG 00157

RNA Area: 3,160.7
 RNA Concentration: 1,497 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 5 : HG 00157

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,728	2,115	470.4	14.9
28S	3,492	5,117	1,127.7	35.7

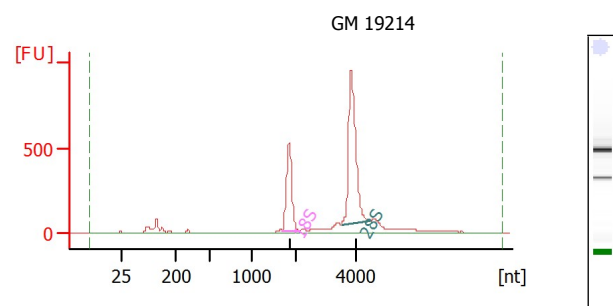


Overall Results for sample 6 : GM 12872

RNA Area: 4,398.6
 RNA Concentration: 2,083 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 6 : GM 12872

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	2,137	813.8	18.5
28S	3,529	4,545	1,590.3	36.2



Overall Results for sample 7 : GM 19214

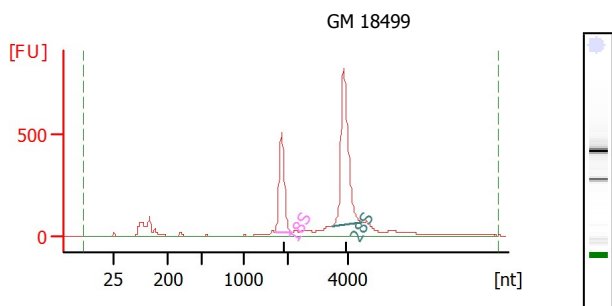
RNA Area: 4,286.8
 RNA Concentration: 2,030 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 7 : GM 19214

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,122	885.2	20.7
28S	3,517	4,466	1,764.5	41.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-58-34.xad

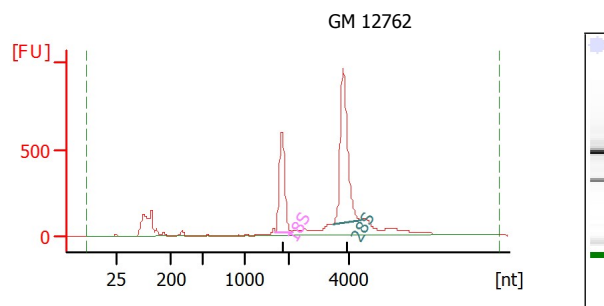
Created: 10/24/2011 9:58:33 AM
Modified: 10/24/2011 10:21:40 AM

Electropherogram Summary Continued ...**Overall Results for sample 8 : GM 18499**

RNA Area: 4,124.4
RNA Concentration: 1,953 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 8 : GM 18499

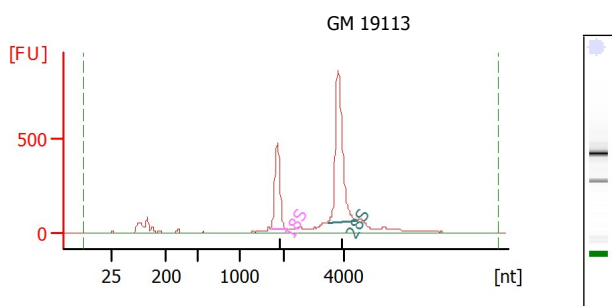
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,705	2,119	811.4	19.7
28S	3,480	4,491	1,560.1	37.8

**Overall Results for sample 9 : GM 12762**

RNA Area: 5,437.9
RNA Concentration: 2,576 ng/μl
rRNA Ratio [28s / 18s]: 1.8
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 9 : GM 12762

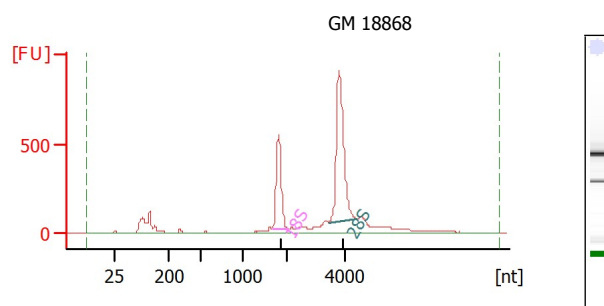
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	2,075	1,003.1	18.4
28S	3,440	4,411	1,811.8	33.3

**Overall Results for sample 10 : GM 19113**

RNA Area: 4,180.8
RNA Concentration: 1,980 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 10 : GM 19113

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,098	767.4	18.4
28S	3,461	4,426	1,572.0	37.6

**Overall Results for sample 11 : GM 18868**

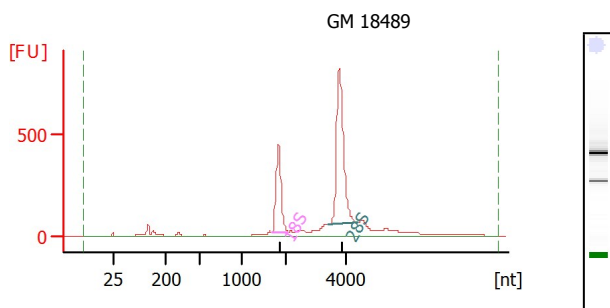
RNA Area: 4,833.1
RNA Concentration: 2,289 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 11 : GM 18868

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,678	2,070	890.2	18.4
28S	3,447	4,383	1,712.1	35.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-58-34.xad

Created: 10/24/2011 9:58:33 AM
Modified: 10/24/2011 10:21:40 AM

Electropherogram Summary Continued ...**Overall Results for sample 12 : GM 18489**

RNA Area: 3,758.9
RNA Concentration: 1,780 ng/μl
rRNA Ratio [28s / 18s]: 2.1
RNA Integrity Number (RIN): 10 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:10

Fragment table for sample 12 : GM 18489

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	2,087	709.0	18.9
28S	3,443	4,404	1,472.0	39.2